

# Kansas Technical Professions

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## Watch Website for Revised Regulations

A Public Hearing was scheduled for October 2, 2009 on proposed changes to the Board of Technical Professions rules and regulations to implement the revised Statutes as per Senate Bill 29 passed by the 2009 Kansas Legislature. The official version of the adopted rules and regulations will be posted on the Board's website, [www.kansas.gov/ksbtp](http://www.kansas.gov/ksbtp) as soon as they are officially adopted. Watch the website in late October for these newly revised regulations.



## 2009-2010 Board Officers Elected

The Kansas State Board of Technical Professions recently held an election of officers. George Barbee, Public Member, was elected Board Chair. Mr. Barbee was appointed to the Board on July 1, 2004. He spent a 31 year career in association management and lobbying while serving a prominent client, the American Council of Engineering, as the Executive Director. Barbee retired from the newly merged firm of Gaches, Braden and Barbee Inc. in May of 2003.

The other officers elected to the Board were: David Hoffman, Vice-Chair; Phil Meyer, Secretary; Vince Mancini, Chairperson of the ARCH/LA/GEO Committee and Kenneth Vaughn, Chairperson of the PE/LS Committee.



George Barbee

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Richard Moberly (left), Geologist, received a plaque at the July 2009 Board meeting from newly elected Chair George Barbee (right) in appreciation of his leadership as Chair of the Board for the 2008-09 year.





# NCARB Announces ARE® Security & Development Fee

The National Council of Architectural Registration Boards (NCARB) will increase the fees for the Architect Registration Examination® (ARE®) by \$40 per division effective 1 October 2009. The increase, which was announced at the NCARB Annual Meeting and Conference in Chicago, is due to recent incidents of exam content disclosure by ARE® candidates. The cost to develop and replace the exposed content and handle the administrative and legal costs related to these incidents totals an estimated \$1.1 million.

“The decision to raise the exam fees now-especially in the current economic climate-was not made lightly,” said Gordon E. Mills, FAIA, President. “However, NCARB’s responsibility to uphold the integrity of the ARE® is our first and foremost concern.”

The ARE® is designed to protect the health, safety, and welfare of the public by providing a psychometrically justifiable and legally defensible process that measures the level of competence necessary to practice architecture independently. In recent months, NCARB has had to turn off substantial amounts of content after several candidates posted detailed exam content on the internet. These candidates have had their exam scores canceled and testing privileges suspended for up to five years. To ensure the integrity of the exam, NCARB has been forced to add two fulltime staff members to monitor and investigate exam disclosures and copyright violations.

Replacing exam content is expensive and time consuming because each vignette or multiple-choice item must be written, reviewed, edited, and thoroughly pretested before it is added to the exam. The process of developing replacement content will take two years and the involvement of many volunteer professionals. The current six month waiting period between failed divisions is in effect to ensure that a candidate does not see the same question twice. If ARE® candidates continue to breach the Confidentiality Agreement they accept prior to taking each division and additional exam content is exposed, NCARB may be forced to extend the mandatory waiting period in order to prevent overexposure of content.

Since NCARB produced the first national exam for architects in 1965, the cost of delivering the test has been heavily subsidized by other NCARB programs. Since the ARE® was computerized in 1997, NCARB has subsidized more than \$15 million in exam related expenses. While the new fee structure will help offset the costs incurred as a result of exam disclosure, it still falls short of the actual cost of developing and administering the exam and monitoring its security.

The current version of the ARE® is comprised of seven divisions that test a candidate’s knowledge, skills, and abilities to perform many of the tasks an architect encounters in practice. To become licensed, candidates must fulfill education and experience requirements, as well as pass all divisions of the ARE®.

**The new rate of \$210 per division will take effect on 1 October 2009.** All exams scheduled on or after 1 October 2009 will be at the new rate.

## FAQ’s

### Why are the fees being increased?

In recent months, NCARB has had to turn off substantial amounts of exam content after several candidates posted ARE® content on the internet. The cost to develop and replace the exposed content and handle the administrative and legal costs related to these incidents totals an estimated \$1.1 million. While the new fee structure will help offset the costs incurred as a result of exam disclosure, it still falls short of the actual costs of developing and administering the exam and monitoring its security.

### Why does it cost so much to develop exam content?

Before a vignette or multiple choice item is added to the exam it must be written, reviewed, edited, and thoroughly

pretested. Prometric, NCARB’s test consultant, evaluates the psychometric data on each pretested item to determine if it meets established requirements to be included on the exam. Any item—multiple choice question or vignette—that isn’t performing as expected is revised or thrown out. The rewritten items go back for another round of pretesting. Only items that perform acceptably during pretesting are included as a scored item in an actual exam. This process takes a minimum of two years from concept to becoming a scored item.

### What is NCARB doing to prevent further disclosure of exam content?

Prior to taking any division of the ARE® and seeing any questions on the exam, candidates are required to agree to the terms of the Confidential Agreement. NCARB’s efforts to inform candidates of the consequences of breaking this agreement have included postcards, emails, a podcast and articles in the *ARE® enews and Direct Connection*. NCARB staff members have spoken at many student and intern events, and warning messages have been posted on the internet. In addition, NCARB is in the process of hiring two fulltime staff members to monitor and investigate exam disclosures and copyright violations.

### How much will it cost to take the ARE® under the new fee schedule?

The new fee for each division will be \$210, an increase of \$40.

### When will the increase take effect?

The new rate of \$210 per division will take effect on 1 October 2009. All exams **scheduled on or after 1 October 2009** will be at the new rate. **Prior to 1 October 2009** candidates could schedule exam appointments through 31 December 2009 at the current rate of \$170 for each division.

### If I make an appointment now, will I be able to cancel or reschedule it?

Once you schedule an appointment, your test fee cannot be refunded or transferred to another division of the ARE®. As outlined in the *ARE® Guidelines*, you can reschedule an existing appointment by calling Prometric’s Candidate Services Contact Center at 800/4796215. At the time of your call, you must reschedule the appointment for a later date. A \$35 reschedule fee will be charged to your credit card.

For more information about rescheduling an appointment, please refer to the *ARE® Guidelines*, which can be downloaded from the NCARB web site.

### Why do all ARE® candidates have to pay for the actions of a few?

The candidates who exposed the exam content have been sanctioned by having exam scores canceled and testing privileges suspended. While further action against candidates who violate the Confidentiality Agreement to recover a portion of the financial losses has not been ruled out, the high cost of pursuing legal action would likely negate any amount that could be recovered from an exam candidate. In the meantime, NCARB has a responsibility to protect the health, safety, and welfare of the public by providing a psychometrically justifiable and legally defensible examination that measures the level of competence necessary to practice architecture independently.

### Is NCARB going to increase the amount of time a candidate has to wait to retake a previously failed division?

Not at this time. However, if additional exam content is disclosed and a division is compromised, the mandatory six month waiting period may have to be lengthened.

(Reprinted from NCARB News Clips 6/18/09)

# The Impact of Cheating

**Dave Hoffman, FAIA,  
Architect Member and Vice Chair**

Recently Jean Boline, Vince Mancini and myself representing the Kansas State Board of Technical Professions, attended the National Council of Architectural Registration Boards annual meeting in Chicago. During the course of staff reports, we were informed of extensive violations of the Confidentiality Agreement that all ARE® candidates are required to sign prior to taking any section of the ARE®. With the closeout of the ARE® 3.1, the introduction of ARE® 4.0 and the ability of candidates to take exam sections upon graduation, the volume of activity has exploded. Over 62,000 test sections had been administered in the last year; 12,500 in the month of June and 200 to 300 per day being added currently.

Activity related to the ARE® on the internet has also exploded. One year ago there were about 16,000 members of the ARE® Forum, today there are over 41,000 members. The total number of postings on all sites is over 453,000. Obviously the web plays a significant role in assisting candidates in their preparation for the ARE®. However, over-zealous individuals with very good memories have been posting nearly exact duplicates of ARE® questions and graphic solutions ignoring their legal commitment to non-disclosure. It seems that the gravity of this violation has not been recognized by the candidate community. Extensive efforts have been made by some to post solution descriptions, alternates to solution methods and sketches of site solutions.

Candidates have asked “What is the harm in sharing information?” The harm is extensive:

1. Each and every question must go through a multiyear gauntlet of writing, re-writing, passive testing, active testing before it is actually incorporated into the examination. To replace questions recently compromised will require 3,500 man-hours, all volunteer time, over the next two or three years!
2. To replace the compromised ARE® questions, significant costs will be incurred: 1) in additional fees paid to the testing consultant, 2) for volunteer travel and lodging as questions are replaced, 3) for legal and administrative staff time and expenses as disciplinary actions are pursued, 4) for committee and operations time coordinating the replacement effort and 5) for monitors to continuously check websites for additional violations. It is estimated that the total monetary impact to NCARB for question replacement will be at least \$1,100,000.
3. The cost of the ARE® is subsidized by NCARB; only about half of the total expense is passed on to candidates as test fees. Due to overall budget shortages, NCARB cannot absorb the expense of rewriting the compromised test questions, therefore, these costs will be passed on to future ARE® candidates.

As of June, NCARB has disciplinary actions against 8 individuals underway and has 29 on-going investigations. Depending upon the severity of their non-disclosure breach, former candidates may have their exam scores cancelled testing privileges cancelled for any section of the examination for up to 5 years; each case is handled individually. We in Kansas are exploring the implications of modifying our Rules and Regulations to include the imposition of sanctions or other penalties upon those candidates found to have violated the non-disclosure agreement separate from the NCARB actions.

The net effect of ARE® cheating upon future candidates will be the increase in per-division fees from \$170 to \$210 starting with those divisions **scheduled** after October 1 of this year. Exams scheduled before October 1 for testing dates up to December 31, 2009 will continue to be charged at the \$170 rate. Should any candidate have questions concerning these changes, please contact NCARB directly.

(Also see article on Page 5, “NCARB Annual Meeting Report”.)



# 52nd KSLS Annual Meeting and Conference

LAND SURVEYOR IN THE COURTROOM  
October 15–16–17, 2009  
Grand Prairie Hotel & Convention Center  
Hutchinson, Kansas

14 PDU’s Available

**About the Land Surveyor in the Courtroom program:**  
This program is an often-requested return to the past with a twist on the present and future. Much has changed since this type of seminar devoted to legal aspects and a Mock Trial was presented. In fact, many of our younger surveyors will never have encountered this topic before. We are expecting rave reviews from both experienced and newly licensed (or soon-to-be licensed) surveyors after attending this conference. An expert line-up of speakers will take participants though topics germane to actual court cases and then cap the conference off with a Mock Trial complete with judge, jury, expert witnesses and counsel for the aggrieved parties! There will be lots to learn for everyone. Be sure to make your reservations early, space may be scarce.

**ADDED FEATURE-SALT MINE SURVEYING**  
Course content will address the research and acquisition of existing control, orientation of control from surface to the lower level of the mine’s drifts or corridors, mine monuments that can survive 25+ years for future surveying use, terrain and light conditions. Kerry McCoy, Hutchinson, Kansas will be the instructor.  
Registration forms and more information can be found in the August Issue of Section Lines or on the KSLS website: [www.ksls.com](http://www.ksls.com). Any questions, please contact Melany Pearce 316.691.1188 [mbpearce@sbcglobal.net](mailto:mbpearce@sbcglobal.net)

## Structural Engineering Exam Changes–Update

An article in the last edition of the KSBTP newsletter indicated that the Kansas Board would not be offering the Structural exam beginning in April 2011 when the exam becomes one 16-hour exam instead of the two 8-hour exams. The Board received concerns from several engineers in the state. At their July 10, 2009 meeting, the Board discussed the issue and determined that there should be further study before making a final decision on offering the exam. Please watch the Board’s website, [www.kansas.gov/ksbtp](http://www.kansas.gov/ksbtp), and this newsletter for further information on the Structural PE Exam.  
If you have taken and passed the Structural I exam and wish to take the Structural II exam, you must do so no later than the October 2010 exam. Please contact the Board office, 785-296-3053, if you have questions.

Visit  
[www.kansas.gov/ksbtp](http://www.kansas.gov/ksbtp)  
to download the  
**Report of Alleged Violation Form**

## Kansas Board of Technical Professions Current Licensees

August 13, 2009			
Profession	Resident	Non-Resident	Total
Architects	912	1,788	2,700
Engineers	4,196	6,258	10,454
Landscape Architects	137	239	376
Land Surveyors	482	299	781
Geologists	387	253	640
<b>Total</b>	<b>6,114</b>	<b>8,837</b>	<b>14,951</b>
Business Entities	Resident	Non-Resident	Total
Architects	114	337	451
Engineers	230	859	1089
Landscape Architects	25	20	45
Land Surveyors	68	76	144
Geologists	33	46	79
<b>Total</b>	<b>470</b>	<b>1,338</b>	<b>1,808</b>

## NCEES Inks Funding Arrangement with National Museum of Surveying

The NCEES Board of Directors has agreed to provide funding for the National Museum of Surveying, which is planning to open this year in a new location in downtown Springfield, Illinois.  
The \$75,000 donation will be used to construct a 45-seat theater and to develop educational materials for students in grades K-12. The theater will feature a 60-inch high-definition display that will be used to highlight the history and evolution of surveying and mapping in the United States. The education materials, which will be segmented by education level, will be developed in conjunction with a series of teacher workshops to be held at the museum. For its contribution, NCEES will be awarded the naming rights for the theater.  
“As a leader of the engineering and surveying professions, NCEES looks for opportunities to advance the public’s understanding of these professions,” said NCEES Executive Director Jerry Carter. “We feel that the National Surveying Museum has some exciting plans that will get many minds interested in pursuing a career as a licensed surveyor, so we are happy to help them with funding.”  
The National Museum of Surveying, which first opened in 1989, will reopen this year in a 10,000-square-foot space in Springfield. The museum will feature the new “Science on a Sphere” exhibit, which uses a high-tech video system to project satellite images of the Earth’s surface on a suspended sphere. It will also include exhibits about famous Americans who practiced surveying, including Abraham Lincoln, Thomas Jefferson, and Lewis and Clark. The museum’s new location is just blocks away from the Abraham Lincoln Presidential Library and Museum.

(Reprinted from NCEES News Release 6/17/09)

# Puerto Rican Court Awards Damages to NCEES in Exam Theft Case

The U.S. District Court in Puerto Rico has ruled in favor of NCEES in a civil suit involving damages exceeding \$1 million. The judgment resulted from the case of a civil engineering licensure candidate who was found with recording and transmitting equipment during the October 2006 administration of the Principles and Practice of Engineering exam in the city of Mayaguez.  
The candidate, Bethzaida Cameron Ortiz, was discovered during the afternoon session of the administration after a proctor noticed her unusual behavior. The chief proctor at the exam site confronted Cameron, 44, and discovered that the defendant was concealing a host of recording and transmitting devices within her jacket and handbag, including a wireless audio/video transmitter, a small video camera, a receiver, a pocket video recorder, a device used to connect video cameras to a television or computer, and battery packs.  
Working with materials provided by law enforcement, NCEES determined that Cameron had recorded the Civil PE exam and established that Cameron had performed a similar operation with the FE exam, which records show she attempted in October 2005 at the same location. As a result of these exam breaches, NCEES had to remove all compromised material from its exam item banks, resulting in the damages awarded in the civil suit. In estimating damages, NCEES takes into account the time, travel, and work hours required of NCEES staff, psychometric consultants, and subject-matter experts who are involved with the development and review of exam content.  
“Like any organization that develops standardized tests, NCEES’s most valuable asset is its intellectual property. When someone steals exam content, the effects are the same for us as they would be for a retail store that has its assets stolen,” said NCEES Executive Director Jerry Carter.  
NCEES develops and enforces stringent policies to protect exam content, including limiting the materials candidates are allowed to bring to the exam site. Before attempting an NCEES exam, each candidate is required to sign a statement affirming that he or she will not copy or reveal any exam material.  
Prior to the judgment in the civil suit, Cameron had been convicted of fraud in criminal court as a result of the incident. She is prohibited from attempting any NCEES exam in the future.  
“The fact that we are a nonprofit that assists licensing boards means that this event in some way has affected everyone in the engineering and surveying professions and, ultimately, the public,” said Carter. “We are pleased that this judgment was reached and we are confident this will serve as a deterrent for anyone who might consider stealing exam content in the future.”  
(Reprinted from NCEES News Release 7/9/09)

## In Memoriam

The Board and staff wish to extend our sympathies to the families and friends of these individuals who have honored their professions:

<b>ENGINEERS</b>		
Ray R. Biege Jr.	#935	Meriden, KS
Walter W. Clark	#3944	Tecumseh, KS
William G. King Jr.	#711	Riverside, CA
William Stanley Mathes	#4964	Kansas City, MO
Curtis E. McNay	#4509	Wichita, KS
Bryce B. Miller	#4469	Topeka, KS
Arthur C. Munoz	#9302	Olathe, KS
R. Douglas Myers	#6919	Bella Vista, AR
Hossein Ali Novin	#9970	Overland Park, KS
John J. Sandmeyer	#3187	Topeka, KS
G. R. Shaw	#7257	Wichita, KS
Bert H. Stratmann	#7877	Topeka, KS
Charles F. Steinbacher	#7132	Lawrence, KS
<b>ARCHITECTS</b>		
William E. Behrman	#872	Kansas City, KS
William F. Riesberg	#3882	Charleston, SC
Andrew D. Steffes	#2870	McPherson, KS
<b>LAND SURVEYOR</b>		
Charles F. Steinbacher	#377	Lawrence, KS

As of 07/31/09



# 2nd Annual Licensure Recognition Ceremony Held

On July 10, 2009, the Capitol Rotunda was the site of a Licensure Recognition Ceremony for newly licensed Professional Engineers and Land Surveyors. More than 140 people attended the ceremony where licensure certificates were presented to 32 engineers and land surveyors who recently passed their licensing exam. The ceremony was a joint effort of the Kansas Society of Professional Engineers, the Kansas Society of Land Surveyors and the Kansas State Board of Technical Professions.

The Keynote Speaker for the afternoon was Deb Miller, Secretary of the Kansas Department of Transportation. She spoke to the new licensees about the importance of

their new careers. Also participating in the ceremony were Douglas Danaher, P.E., President, Kansas Society of Professional Engineers; Todd Burroughs, L.S., President, Kansas Society of Land Surveyors; George Barbee, Chair, Kansas State Board of Technical Professions; and Tom Mulinazzi, P.E., L.S., Ph.D., KSBTP Board member.

Helping to celebrate this next step in the careers of those receiving their licenses were family members and several of their supervisors and mentors. KSPE, KSLS and KSBTP plan to continue and expand this ceremony to honor those who have earned their license.

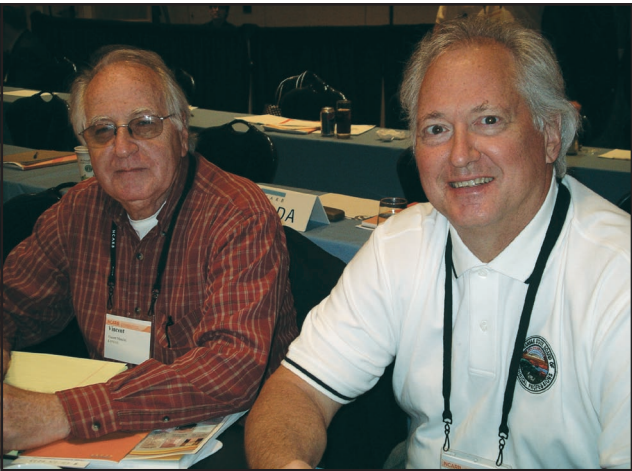


Newly licensed engineers and surveyors receive their license certificates.

## Kansas Statistics April 2009 Exams

	# Tested	% Passing First Time Takers	% Passing Repeat Takers	National % Pass	
				1 <sup>st</sup> TIME TAKERS	REPEAT TAKERS
PROFESSIONAL ENGINEERS					
Architect	9	87.5	100.0	66.1	55.9
Chemical	6	80.0	100.0	72.7	35.4
Civil	54	81.1	52.9	62.2	32.4
Control Systems					
Electrical and Computer	26	64.3	16.7	62.9	28.2
Environmental	1	100.0	00.0	75.2	32.8
Fire Protection					
Mechanical	31	82.1	100.0	72.0	38.1
Nuclear					
Structural I	20	50.0	12.4	47.8	24.7
Structural II	4	100.0	00.0	53.3	65.2
Fundamentals of Engineering	329	83.1	41.4	75.6	30.5
Fundamentals of Land Surveying	11	42.9	25.0	66.9	25.8
Principals & Practice of					
Land Surveying	12	80.0	00.0	65.9	38.3
Kansas State Specific					
Land Surveying	33	42.0% Pass		NA	
TOTAL # OF EXAMS GIVEN	532				

# NCARB Annual Meeting Report



Kansas Board architect members attend the NCARB 2009 Annual Meeting and Conference. Left to right are Vincent Mancini and David Hoffman.

Vince Mancini, AIA, Architect Member

The 90th annual meeting of the National Council of Architectural Registration Boards was held last June 17 through June 20 in Chicago, Illinois. All 54 of the Member Registration Boards were represented at the meeting and conference. Representing the Kansas State Board of Technical Professions were Dave Hoffman FAIA and Vince Mancini AIA, Architect members of the board and Jean Boline, Executive Director.

Four resolutions were discussed and approved by the member board delegates. In general, these resolutions were not controversial:

Resolution 1: Clarifies the definition of “responsible control” in NCARB Model Law. This clarification is an effort to better protect the public interest, as design and construction evolve with the practice of “Integrated Project Delivery” (IPD) and “Building Information Modeling” (BIM).

Resolution 2: This amendment to the Handbook for Interns and Architects applies the five year rolling clock to previously passed ARE® divisions and Authorization to Test. ARE® divisions passed prior to January 1, 2006 will remain valid until July 1, 2014. Also, starting July 1, 2011 exam candidates must take a Division of the ARE® once every five years to keep their Authorization to Test valid.

Resolution 3: This amendment to the Handbook for Interns and Architects transfers specific educational requirements and the education standards to the Education Guideline. This change will make it easier to update programs in the future.

Resolution 4: This amendment to the Handbook for Interns and Architects revises Section 3 “Training Requirements”, and lists training requirements and alternatives to IDP. In January 2010 training units will become training hours.

The complete text for the approved resolutions can be viewed on the NCARB web site at [www.ncarb.org](http://www.ncarb.org).

It was announced that Kansas University School of Architecture was awarded an NCARB prize of \$7,500 for the 5/4/7 Greensburg Art Museum project “Sustainable Prototype”. This innovative project was created by students in the studio of Dan Rockhill. Congratulations to all involved.

Installation of the FY10 Board of Directors (BOD) was held. Andrew W. Prescott, AIA of Potomac, MD and Keeseville, NY, was installed as President. Other officers and directors elected at the meeting were: Kenneth J. Naylor, AIA (First Vice President/President elect); Scott C. Veazey, AIA (Second Vice President); Mark I. Aspaas, AIA (Treasurer); Blakely C. Dunn, AIA (Secretary); Gordon E. Mills, FAIA (Past President); Margo P. Jones, AIA, LEED AP (Director, Region 1); J. Everette Fauber III, AIA (Director, Region 2); Dennis S. Ward, AIA (Director, Region 3); Dale McKinney, AIA (Director, Region 4); Thomas R. Wood, AIA (Director, Region 5); Gregory L. Erny AIA (Director, Region 6); Cynthia J. McKim (Member Board Executive Director); and Ava J. Abramowitz, Hon. AIA (Public Director).

(Also see article on Page 3, “The Impact of Cheating”.)



## CONGRATULATIONS!

THE KANSAS STATE BOARD OF TECHNICAL PROFESSIONS is pleased to announce the following individuals have successfully passed the **April 2009 Fundamentals of Surveying Examination**

Name	City		State
Meis	James M.	Hays	KS
O’Keefe	Brian S.	Lawrence	KS
Strecker	Eric L.	Towanda	KS
Wilcoxen	Roger Joe	Winfield	KS

## NCEES Sees Growth in Engineering Licensure Exam Candidates

The number of candidates attempting NCEES exams has risen in recent years, with a particularly sharp increase in candidates sitting for the Principles and Practice of Engineering examinations this year.

According to NCEES records, 26,193 candidates attempted the PE exam during the October 2008 and April 2009 exam administrations. This is more than a 5 percent increase from the previous year’s numbers and is the largest one-year increase in PE candidate numbers since the 1998-99 exam administrations.

While candidate numbers for the Fundamentals of Engineering exam did not show a similar one-year upswing, they continued a steady climb that has contributed to a 20 percent increase in candidate numbers over the past four years. More than 49,000 candidates attempted the FE exam in 2008-09. This coincides with NCEES efforts to promote awareness of the career benefits of engineering licensure among college students majoring in engineering. The awareness efforts highlight the higher salaries, professional prestige, and career versatility enjoyed by licensed professional engineers.

“The higher candidate numbers are probably due to several factors, including the economic downturn,” said NCEES Executive Director Jerry Carter. “In a tight job market, a professional title such as the P.E. can help set a candidate apart even in a crowded field of high achievers. The P.E. also opens the door for an engineer to pursue consulting or firm ownership.

The FE exam is often the first step toward attaining the P.E. license. After passing the FE in college, the typical PE candidate then completes a four-year internship period before attempting the PE exam that corresponds to the candidate’s career discipline. More detailed information about the licensure process can be found at [www.ncees.org](http://www.ncees.org).

(Reprinted from NCEES News Release 6/24/09)

## CONGRATULATIONS

THE KANSAS STATE BOARD OF TECHNICAL PROFESSIONS is pleased to announce that as of the April 2009 exam the following individuals have successfully passed all sections of the **Professional Surveying Examination** and are now licensed.

Name	City		State
Bradley	Jerrold F., Jr.	Wichita	KS
Dixon	Gerald E.	Leon	KS
Johnson	David E.	Salina	KS
Peltier	Brian L.	Hays	KS
Rutz	Kyle E.	Eaton	CO
Wright	Jeffrey D	Overland Park	KS

## CONGRATULATIONS

The Kansas State Board of Technical Professions is pleased to announce the following individuals have successfully passed all parts of their Technical Professional examinations and are now licensed.

### Architect Registration Examination

Name	City	State
Amber A Beverlin	Olathe	KS
Brandon Gibson	Wichita	KS
Denton Carl Nichols	Lawrence	KS
David Stewart Vance	Lawrence	KS
Steve Vukelich	Lawrence	KS

## NCEES Announces Changes to Architectural Engineering Exam

The National Council of Examiners for Engineering and Surveying (NCEES) is introducing new specifications for its Architectural Engineering PE exam. They will first be used for the April 2010 administration of the exam.

Exam specifications indicate knowledge areas to be tested and their relative weights of emphasis. As the developer of the exams used for engineering licensure in the United States, NCEES periodically conducts surveys of licensed engineers working in industry, government, and academia to gather information about the knowledge and skills required of professionals in a particular discipline. NCEES uses the results to update it exam specifications.

“With these surveys, we’re trying to find out what an engineer intern with four years of experience should be expected to know,” said Tim Miller, P.E., the director of exam services at NCEES. “They help us ensure NCEES licensing exams reflect current professional practice.”

The new specifications are now available on the NCEES Web site ([www.ncees.org](http://www.ncees.org)). The Architectural Engineering Institute of the American Society of Civil Engineers (AEI of ASCE) will publish updated study materials for the exam.

(Reprinted from NCEES News Release 5/15/09)

## CONGRATULATIONS

THE KANSAS STATE BOARD OF TECHNICAL PROFESSIONS is pleased to announce that the following individuals have successfully passed the **April 2009 Professional Engineering Examination** and are now licensed.

Name	City		State
Abraham	Michael P.	Greenwood	MO
Ahern	Christopher J.	Overland Park	KS
Ang	Eng-Chew	Overland Park	KS
Archer	Christopher W.	Port Hueneme	CA
Bailey	Michael D	Wichita	KS
Baldwin	Laura C.	Overland Park	KS
Berger	Aaron E.	Lenexa	KS
Blake	Michael J.	Prairie Village	KS
Boomsma	Holly A.	Lenexa	KS
Bradstreet	Derrick A.	Overland Park	KS
Braselton	Mara Mckee	Kansas City	MO
Bruntz	Chris N.	Lenexa	KS
Camber	Ryan C.	Olathe	KS
Chang	Yu Fi	Overland Park	KS
Clausell	Natosha S.	Overland Park	KS
Cool	Kelly E.	Topeka	KS
Debes	David F.	Overland Park	KS
Denney	Thomas H.	Baldwin City	KS
Dowling	Tanner K.	Willard	MO
Duever	Anthony D.	Marysville	KS
Eichenberger	Jason C.	Overland Park	KS
Eilers	Michael G.	Lenexa	KS
Finney	Eric C	Lawrence	KS
Foster	Jarrod R.	Kansas City	MO
Frymire	Nathan R.	Overland Park	KS
Galloway	Ronny Neal	Pittsburg	KS
Giles	John T	Olathe	KS
Goff	Kezia A	Wichita	KS
Goss	Luke M.	Overland Park	KS
Gray	Charles B.	LeavEnworth	KS
Green	Jarred D.	Salina	KS
Grisier	Chad R.	Raymore	MO
Haake	Michael J.	Overland Park	KS
Hagan	Chad M.	Leavenworth	KS
Hake	Derek N.	Wichita	KS
Hascall	Jason A.	Kansas City	MO
Hausback, III	Frank J.	Overland Park	KS
Hawthorne	Bryan	Overland Park	KS
Hedges	Kevin T.	Lee’s Summit	MO
Herrera	Noel Z.	Overland Park	KS
Hiebner	Andrey J.	Olathe	KS
Hladky	Nathan W.	Overland Park	KS
Huffman	Kevin	Tulsa	OK
Jones	Adam Q.	Kansas City	MO
Junkersfeld	Janel K.	Overland Park	KS
Keltner	Erik James	Shawnee	KS
Klaus	Stuart Brian	Benton	KS
Konstanzer	Jesse Ward	El Dorado	KS
Koong	Ray Chen	Topeka	KS
Kootz	Mark J.	El Dorado	KS
Krafft	Matt D.	Olathe	KS
Kuhlen	Jesse D.	Olathe	KS
Lady	David C.	Fraser	CO
Loftus	Ryan W.	Overland Park	KS
Marshall	Nathan J	Lawrence	KS
McEachron	Adam M.	Kansas City	KS
Mertens	Blake A.	Carl Junction	MO
Moss	Paul J.	Ottawa	KS
Myers	Dieter T	Gardner	KS
Ngo	Huy Q.	Lenexa	KS
Nicolas	Marc G.	Merriam	KS
Olson	Matthew B.	Olathe	KS
Parker	Jonathan P.	Overland Park	KS
Partridge	Christopher A.	New Strawn	KS
Petersen	Kellen R.	Overland Park	KS
Ploetz	Christopher D.	Fairway	KS
Raggett	Jeffrey T.	Olathe	KS
Reetz	Ronald J.	Overland Park	KS
Riley	Devin T.	Shawnee	KS
Rivera	Jose L.	Leavenworth	KS
Roberts	Jonathan C.	Kansas City	MO
Rollow	Brett D.	Merriam	KS
Rusk	Thomas J.	Blue Springs	MO
Saab	Ramsey G., Jr.	Overland Park	KS
Saifan	Ismael I.	Overland Park	KS
Schafer	Brian S.	GarnetT	KS
Schwenk	David B.	Mission	KS
Scott	Ryan J.	Leawood	KS
Seidel	Darin T.	Olathe	KS
Stanton	Brett M.	Pleasant Hill	MO
Tang	Chih C.	Overland Park	KS
Thomas	Joseph Leroy	Kansas City	KS
Turner	John W.	Manhattan	KS
Van Duyne	Michael S.	Lawrence	KS
Wagner	Jared A.	Shawnee	KS
Walter	Philip J.	Prairie Village	KS
Weaver	Patrick A.	Overland Park	KS
Whitehead	Jeffrey R	Overland Park	KS
Wiedel	Shawn D	Kansas City	MO
Williams	Steven R.	Kansas City	MO
Willm	Shawn T.	HutchinsOn	KS
Winzer	Matthew J.	Douglass	KS
Wolfe	Chad M	Overland Park	KS
Young	Adam E.	Vassar	KS
Zimmerman	Kevin J.	Overland Park	KS
Zweifel	Earl K.	Merriam	KS

# CONGRATULATIONS!

THE KANSAS STATE BOARD OF TECHNICAL PROFESSIONS is pleased to announce that the following individuals have successfully passed the April 2009 **Fundamentals of Engineering Examination**.

NAME		CITY	STATE	NAME		CITY	STATE	NAME		CITY	STATE
Adams	Mark A.	Lawrence	KS	Kenny	John D.	Colorado Springs	CO	Tecson	Fritz V	Overland Park	KS
Albers	Jacob J.	Lawrence	KS	Kim	Julia S.	Overland Park	KS	Tedder	Joshua L.	Manhattan	KS
Alkurdi	Mohanad	Overland Park	KS	Knutsen	Nicholas Y.	Overland Park	KS	Thompson	Charles B.	Tulsa	OK
Allen	Kelsey L.	Wildwood	MO	Kovich	Wyatt C.	Kansas City	KS	Tinio	Marc B.	Lawrence	KS
Altenhofen	Jason A.	Manhattan	KS	Kraft	Michael	Leawood	KS	Trost	Bradley A.	Omaha	NE
Anannatsiri	Chawin	Lawrence	KS	Kuhn	Ryan M.	Manhattan	KS	Upah	Travis	Overland Park	KS
Anderson	Eric	Manhattan	KS	Kukuk	Kyle J.	Overland Park	KS	Urkevich	Hilary D.	Overland Park	KS
Au	Pui Kwan Melinda	Manhattan	KS	Lang	Sarah	Lawrence	KS	Valentine	Stacy M.	Wichita	KS
Auinbauh	Kimberly	Lawrence	KS	Lare	Mervin K.	Phillipsburg	KS	Wages	Amanda L.	Tonganoxie	KS
Bachand	Lauren A	Hutchinson	KS	Larson	Michael T.	Lawrence	KS	Walbridge	Brett	Overland Park	KS
Baker	Caleb A.	Olathe	KS	Laubhan	Michael A.	Pratt	KS	Wallsten	Mark J.	Hutchinson	KS
Baldwin	Connie	Overland Park	KS	Lemoine	Richard D.	Louisburg	KS	Wassom	Derek J.	Wamego	KS
Banfield	Michael S.	Gardner	KS	Leroy	Daniel S.	Kansas City	MO	Weber	Clara G.	Ames	IA
Bartel	William L.	Overland Park	KS	Lies	Ryan P.	Wichita	KS	Weber	Taylor	Spring Hill	KS
Barton	Joshua C.	Salina	KS	Lingg	Graham T.	Wichita	KS	Weeks	John C.	Derby	KS
Baxley	William M.	Overland Park	KS	Linnick	Christopher F.	Lee's Summit	MO	Weien	Nicklas	Ottawa	KS
Bell	Michelle A.	Hutchinson	KS	Littich	Joseph R.	Topeka	KS	White	Thomas E.	Sublette	KS
Bennett	Rebecca A.	Sioux Falls	SD	Long	Emily A.	Lenexa	KS	Whittle	Vanessa C.	Wichita	KS
Blush	Aaron G.	Silver Lake	KS	Markham	Nathan	Lawrence	KS	Wicoff	Paul J.	Lenexa	KS
Boat	Katherine C.	Leawood	KS	Marshall	Joseph A.	Wichita	KS	Wieland	Deni L.	Colby	KS
Bolton	Jennifer E.	Overland Park	KS	Marshall	Tanner A.	Great Bend	KS	Wiens	Cody A.	Lyons	KS
Boomer	Kyle J.	Leawood	KS	Maryott	Vanessa J.	Wichita	KS	Wiens	Scott Wade	Inman	KS
Boos	Peter E.	Overland Park	KS	Maslen	Jonathan D.	Arkansas City	KS	Wilms	Jeffrey R.	Shawnee	KS
Boots	Bryan C.	Olathe	KS	Mathews-Flynn	Janet Sue	Prairie Village	KS	Woker	Christopher S.	Kansas City	MO
Bornholdt	James P.	Pacific	MO	May	Gregory F.	Olathe	KS	Younger	Michael A.	Lawrence	KS
Bouzianis	Steven P.	Topeka	KS	Mazumdar	Rahul	Overland Park	KS	Yuan	Jiqui	Lawrence	KS
Braaten	John M.	Junction City	KS	McCreary	Mark P.	Manhattan	KS				
Bretz	Andrew Russell	Dighton	KS	McCullough	Josh M.	O'Fallon	MO				
Brooks	Matthew W.	Overland Park	KS	McKinley	Jeffrey R.	Goddard	KS				
Brown	Frederic	Coffeyville	KS	Mehrkens	Kurt	Mazeppa	MN				
Brown	Phillip A.	Kansas City	KS	Miller	Cameron J.	Olathe	KS				
Browning	Samuel J.	Paola	KS	Miller	Kevin C.	Wichita	KS				
Brunkow	Jarrold A.	Western	NE	Miller	Travis S.	Beloit	KS				
Bubenik	Brandon M.	Fairway	KS	Mills	Ryan J.	Lawrence	KS				
Buckingham	Cory J.	Littleton	CO	Munz	Lucy K.	Great Bend	KS				
Burmeister	Brian J.	St. Louis	MO	Neufeld	Kyle A.	Moundridge	KS				
Bussen	Patrick Michael	Wallace	KS	Nollett	Jereme A	Papillion	NE				
Carleton	Andrew J.	Leawood	KS	Northup	Thomas S.	Kansas City	KS				
Carrillo	Marcus T.	Wichita	KS	Novak	Jauni J.	Independence	MO				
Castronuovo	Angela E.	Raytown	MO	Oakes	Jonathan S.	Wamego	KS				
Cherney	Patrick L.	Agenda	KS	O'Bryan	Christopher J.	Overland Park	KS				
Chestnut	Allen J.	Mission	KS	O'Connor	Brett	Manhattan	KS				
Chiao	Darren C.	Wichita	KS	O'Dell	Sara K.	Lenexa	KS				
Christiansen	Daniel K.	Ellsworth	KS	Ortiz	Joshua P.	Manhattan	KS				
Coltrane	Caleb R.	Manhattan	KS	Owings	Paul C.	Plainville	KS				
Conrardy	William G.	Spivey	KS	Pacinelli	Kristopher M.	Paola	KS				
Crask	Brett Eugene	Girard	KS	Palan	Jared M.	Lathrop	MO				
Curbow	Casey J.	Wichita	KS	Pansing	Paul Darby	Lenexa	KS				
Curry	Tyler C.	Lawrence	KS	Pearce	Christopher A.	Lenexa	KS				
Dansira	Nyima	Lawrence	KS	Pellegrin	Marie-Laure	Kansas City	KS				
Del Rosario	Natalie	Leawood	KS	Pfannenstiel	Austin A.	Hutchinson	KS				
Dellabetta	Brian J.	Iowa City	IA	Phelps	Ryan	Lawrence	KS				
Demel	Tyler	Great Bend	KS	Pike	Brian M.	Desoto	KS				
Dey	Andrew J.	Lenexa	KS	Polzin	Tanner Trinity	Hoisington	KS				
Dinges	Tyson L.	Victoria	KS	Poole	Harrison W.	Leawood	KS				
Dolechek	Mark T.	Bel Aire	KS	Powell	Michael J.	Topeka	KS				
Donevan	Connor R.	Dexter	MI	Pracht	Lara E.	Garden City	KS				
Donovan	Craig A.	Spearville	KS	Prince	Joanna	Overland Park	KS				
Drees	Kyle T.	Wichita	KS	Proctor	Logan W.	Manhattan	KS				
Duncan	Douglas L.	Olathe	KS	Remus	MOrgan D.	Manhattan	KS				
Dwyer	Jeffrey A	Kansas City	MO	Rhein	Thomas E.	Clarkston	MI				
Eakins	Reggie L. Jr.	Manhattan	KS	Rich	Kenneth W.	Manhattan	KS				
Eck	Paul J.	Colwich	KS	Richardson	Temple I.	Lawson	MO				
Ellenbecker	Max	Lawrence	KS	Ricklefs	Trenton W.	Wichita	KS				
Elson	John C.	Leawood	KS	Riddle	Keaton Michael	Topeka	KS				
Evans	Scott P.	Manhattan	KS	Roberts	Matthew W.	Pomona	KS				
Fanshier	Benjamin A.	St John	KS	Robison	Thomas J.	Edna	KS				
Farlow	Colby L.	Tecumseh	KS	Rostami	Borzou	Overland Park	KS				
Firman	Umar	Lawrence	KS	Rothrock	Edwin A.	Lawrence	KS				
Flowers	Scott E.	Topeka	KS	Russell	Garrett J.	Ames	IA				
Force	Alison M.	Overland Park	KS	Rutkowski	Matthew	Berryton	KS				
Forman	Sarah Martha	Salina	KS	Sardou	Brian M.	Olathe	KS				
Fox	Justin R.	Wamego	KS	Schauf	Kevin D.	Augusta	KS				
Frank	Steven L.	Ness City	KS	Schmidt	Eric P.	Omaha	NE				
Friedli	Cory Scott	Manhattan	KS	Schmidt	Fabian P.	Lawrence	KS				
Gay	Nicholas J.	Lenexa	KS	Schmidt	Kevin D.	Derby	KS				
Geist	Marcus J.	Oakley	KS	Schmidt	Scott S.	Hays	KS				
Gemoules	Sean P.	Columbia	MO	Schmidtberger	Keith J.	Overland Park	KS				
Glaze	Corey S.	Topeka	KS	Schnurr	Brian M.	Lenexa	KS				
Goodroad	Daniel R.	Omaha	NE	Schreiber	Benjamin J.	Emporia	KS				
Gorjestani	Daniel	Manhattan	KS	Schumm	Phillip R.	Manhattan	KS				
Graham	Matthew S.	Topeka	KS	Schwabauer	Brandon E.	Overland Park	KS				
Greer	Christopher J.	Kansas City	MO	Schwarzer	Carl Allen	Cummings	KS				
Gregg	Andrea	Overland Park	KS	Sedarous	Mark M.	Overland Park	KS				
Guenther	Kyle K.	Raytown	MO	Seger	Jeffrey T.	Saint Peters	MO				
Haake	Kyle	Olathe	KS	Sheffield	Delano J.	Kansas City	MO				
Hageman	Amanda	Garden Plain	KS	Shipp	Kyle	Overland Park	KS				
Hailemariam	Tewodros	Shawnee	KS	Shockley	Laura B.	Prairie Village	KS				
Hankins	Ryan W.	Kansas City	MO	Siebenmorgen	Christopher B.	Hiawatha	KS				
Hartsig	Ian N.	Overland Park	KS	Simmons	Matthew A.	Manhattan	KS				
Haug	Ryan L.	Wichita	KS	Skov	Kevin James	Olathe	KS				
Henry	Brian O.	Manhattan	KS	Smith	Charles M.	Overland Park	KS				
Herrin	Jason Michael	Topeka	KS	Smith	David R.	Omaha	NE				
Hillebrenner	Bradley J.	Overland Park	KS	Smith	Justin L.	Manhattan	KS				
Hodgson	John	Roeland Park	KS	Smith	Mathias E.	Tonganoxie	KS				
Hoover	Anthony J.	Wichita	KS	Smith	Wesston J.	McPherson	KS				
Hopkins	Mark D.	Manhattan	KS	Sneed	Andrew M.	St. Louis	MO				
Horner	Katie L.	Galena	KS	Spalsbury	Steven D.	Overland Park	KS				
Hothan	Jacob M.	Ozawkie	KS	Sprouse	Mary P.	Leawood	KS				
Huss	George R.	Manhattan	KS	Stephan	Zachary Mark	Fort Scott	KS				
Jacobs	Amanda Michelle	Derby	KS	Stephens	Ellen E.	Paola	KS				
Jennings	Reid V.	Olathe	KS	Stephenson	Christopher R.	Manhattan	KS				
Jiao	Anjun	Burlington	KS	Stevenson	Kendra G.	Leawood	KS				
Johnson	Adam C.	Olathe	KS	Stichweh	Michael T.	Kansas City	MO				
Johnson	Andrew M.	Overland Park	KS	Stockebrand	Craig M.	Yates Center	KS				
Jones	Travis D.	Rose Hill	KS	Straily	Michael James	Manhattan	KS				
Karlix	Dillon T.	Olathe	KS	Strain	Joseph E.	Overland Park	KS				
Karst	Kyle D.	Manhattan	KS	Stringham	Liam	Lincoln	NE				
Kaul	Vinur	Mission	KS	Sunny	Sanwar A.	Lawrence	KS				
Kayaygij	Chanyut	Lawrence	KS	Tang	Man C.	Lawrence	KS				

## Is Your Company in Compliance?

### Certificate Of Authorization New Requirements

With the passage of SB 29 by the 2009 Kansas Legislature, new requirements for a Certificate of Authorization are now in effect. All business entities are now required to hold a Certificate of Authorization from the Board of Technical Professions to offer any of the technical professions to the public. A “business entity” is defined in K.S.A. 74-7003(p) as “a general corporation, professional corporation, limited liability company, limited liability partnership, corporate partnership or other legal entity created by law.”

Please review the new statutes, K.S.A. 74-7003 and K.S.A. 74-7036, available on our website, [www.kansas.gov/ksbtp](http://www.kansas.gov/ksbtp). The application for a Certificate of Authorization is also available on the website. Click on the link “Business Entities”.

**Make sure that your company is in compliance with the new requirements.**

## Address Change Notification Mandatory

This newsletter is being mailed to you at the address on file at the board office. If you move and do not notify the board office, you will not receive this newsletter, and you may be in violation of the Board’s statutes.

According to K.S.A. 74-7025, “The licensee shall notify the board in writing of any change of the licensee’s address within 30 days after the date of such change”.

**“Address changes can be made on the website, [www.kansas.gov/ksbtp](http://www.kansas.gov/ksbtp), 24 hours a day.”**



New KSBTP Certificates of Authorization  
 From May 15, 2009 to August 17, 2009

<b><u>Architecture</u></b>			
Goodwyn, Mills & Cawood, Inc.	A-721	Ash Creek Associates, Inc.	E-1640
Avant Architects, Inc.	A-722	Ronald A. Roberts Associates, Inc.	E-1641
Pollock Holzrichter Nicholas, Ltd.	A-723	MC Consulting, LLC	E-1642
Corner & Associates, Inc.	A-724	Schneider Electric Engineering Services, LLC	E-1643
Ford, Bacon & Davis, LLC	A-725	Foth Infrastructure & Environment, LLC	E-1644
TCI Architects/Engineers/Contractor, Inc.	A-726	Wellstar International of Kansas, LLC	E-1645
CASCO Diversified	A-727	S&S Engineering, Inc.	E-1646
CRB Architects-Engineers P.C.	A-728	Vector Structural Engineering, LLC	E-1647
Putnam Architecture, L.L.C.	A-729	Goodwin and Marshall, Inc.	E-1648
Blanchard Design Group, LLC	A-730	MAKO Structures, Inc.	E-1649
Smith Carter, PC	A-731	National Engineering, LTD	E-1650
Albert Kahn Associates, Inc.	A-732		
Gastinger and Walker Architects, Inc. DBA Gatsinger Walker Harden Architects	A-733	<b><u>Land Surveying</u></b>	
Webster Design, Inc.	A-734	Pruitt and Dooley Surveying, LLC	LS-207
Crabtree, Rohrbaugh & Associates, Inc.	A-735	North Star Surveying, LLC	LS-208
		Gateway Services Group LLC	LS-209
		Mark Deal and Associates, P.C.	LS-210
		Associated Engineering Consultants, LTD dba Gose & Associates	LS-211
		Harder & Associates, LLC	LS-212
<b><u>Professional Engineering</u></b>			
Hellmuth, Obata & Kassabaum, Inc.	E-1603	<b><u>Landscape Architecure</u></b>	
Contech Bridge Solutions Inc.	E-1604	Klein Design Build, LLC	LA-66
Clark Western Design, LLC	E-1605	Lorax Design Group, Inc.	LA-67
Harley Ellis Devereaux Corporation	E-1606	Landworks Studio, LLC	LA-68
Vertex Engineering and Utility Services, Inc.	E-1607	Davis Partnership, P.C.	LA-69
Shapton & Partners Inc	E-1608		
Structural Group, Inc.	E-1609		
TCI Architects/Engineers/Contractor, Inc.	E-1610		
Excel Engineering, Inc.	E-1611	<b><u>Geology</u></b>	
Ken Garner Engineering Inc.	E-1612	Enviro-Co., LLC	G-9
NORR, LLC	E-1613		
CASCO Diversified Corporation	E-1614	<b><u>Reinstatements</u></b>	
Water Resources Solutions, LLC	E-1615	SSEO, Inc.	E-342
Chidester Engineering, PLLC	E-1616	KSPE Consultants, LLC	E-1477
Solid Ground Engineering, LLC	E-1617	CRHO Architects, Inc.	A-30
Semke Consulting, Inc.	E-1618		
Finney & Turnipseed, Transportation & Civil Engineering, LLP	E-1619	<b><u>Certificate of Authorization Name Changes</u></b>	
Mauler Engineering, LLC	E-1620	HOK Sport, Inc.	to Populous, Inc. (A-398)
Civil Engineering Design Consultants, Inc.	E-1621	Synergetic Design, Inc.	to UCSynergetic, Inc. (E-1406)
SNC-Lavalin Project Services, Inc.	E-1622	Frederick S. Truog &	to Frederick S. Truog &
W.Z. Baumgartner & Assoc., Inc.	E-1623	Associates Architects,	Associates Architects, LLC (A-
RMA Engineering, LLC	E-1624	19)	
Obi Consulting Engineers, Inc.	E-1625	Inc.	
Tappana Structural Consultants, PC dba Tappana Ondrick Structural Engineers	E-1626		
Chubb Engineering, LLC	E-1627		
Engineering Diagnostics, LLC	E-1628		
Lutz, Daily & Brain, LLC	E-1629		
Leigh & O’Kane, LLC	E-1630		
R3C Design Group, LLC	E-1631		
Rolf Jensen & Associates, Inc.	E-1632		
Rooney Engineering, Inc.	E-1633		
Pence Engineering, LLC	E-1635		
Design and Build Engineering LLC	E-1636		
United Engineering Inc.	E-1637		
Hired Hand Communication, LLC	E-1638		
Total Control Systems, Inc.	E-1639		